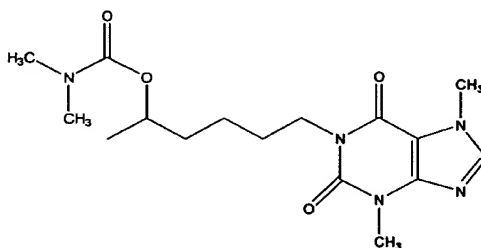


## IN THE CLAIMS

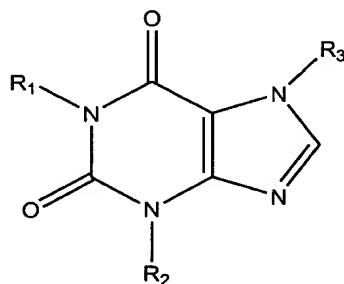
Please delete claims 3, 5, 11, 17 and 22 without prejudice or disclaimer of the deleted subject matter.

In claim 6, last line, please delete "mercaptoalkoxy".

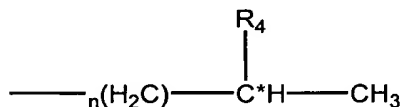
1. (Five Times Amended) A compound [of] having the following structure:



or a structure according to formula I:



wherein R<sub>1</sub> has the formula II:



R<sub>2</sub> and R<sub>3</sub> are independently C<sub>(1-12)</sub> alkyl, optionally, R<sub>2</sub> having one or two nonadjacent carbon atoms of the C<sub>(1-12)</sub> alkyl being replaced by an oxygen atom; and wherein:

C\* is a chiral carbon atom;

n is four;

R<sub>4</sub> is a naturally occurring amino acid or a carbohydrate-moiety attached by an oxygen atom to the chiral carbon atom C\* by an ester linkage, [-O-X-(R<sub>5</sub>)H or] -O-X-(R<sub>5</sub>)<sub>m</sub>; m being

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two or three, depending on valence, and X being selected from the group consisting of C, P or S; wherein one R<sub>5</sub> is =O and any other R<sub>5</sub> is a member independently selected from Group Q,

said carbohydrate moiety is selected from the group consisting of glucosyl, glucosidyl, maltosyl, glucopyranosidyl, glyceraldehydyl, erythrosyl, arabinosyl, ribolucosyl, fructosyl, erythritolyl, xylosyl, lyxosyl, allosyl, altrosyl, mannosyl, mannosidyl, gulosyl, idosyl, galactosyl and talosyl, and

Group Q consists of:

hydroxyl group;

[=O;]

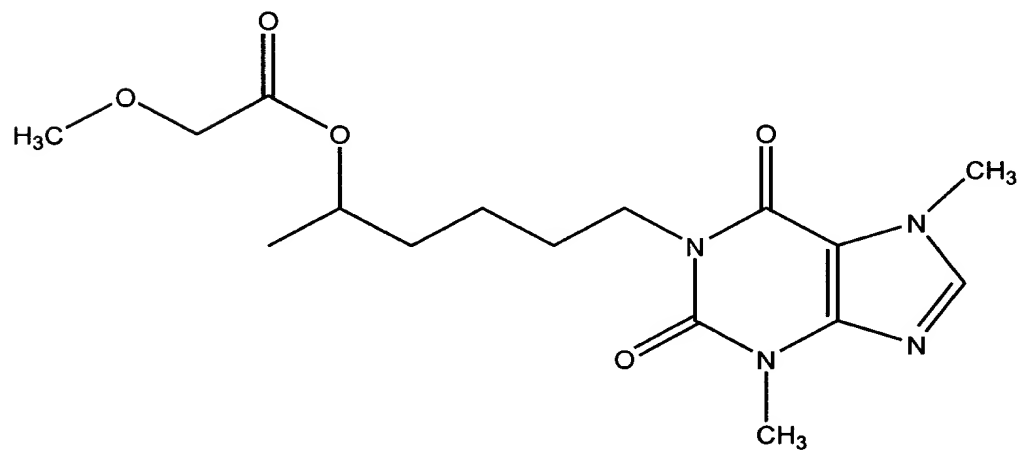
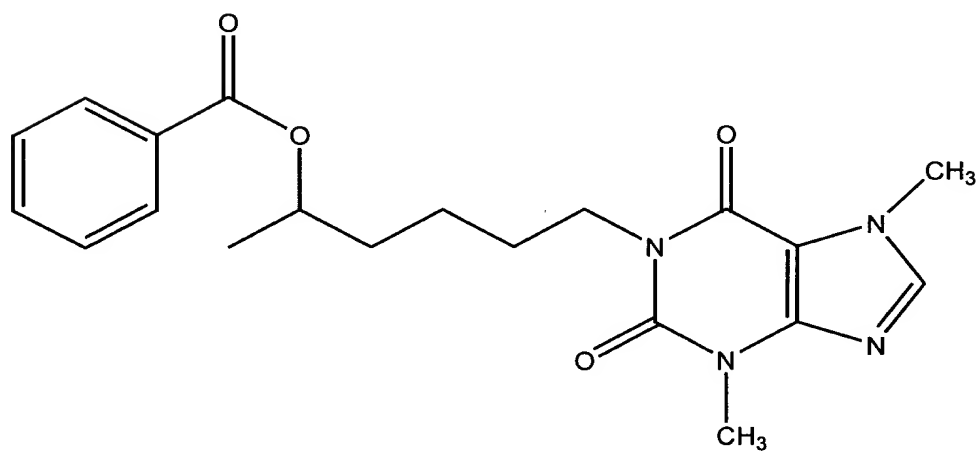
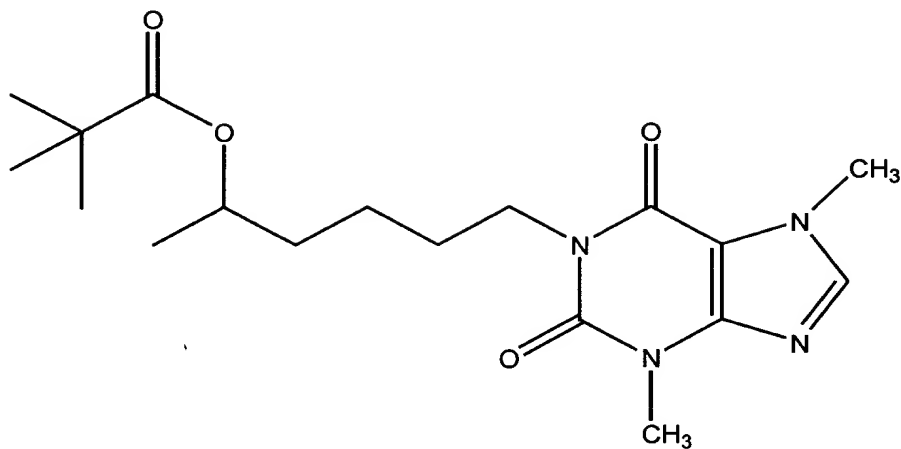
substituted or unsubstituted C<sub>(3-10)</sub> alkyl, C<sub>(2-10)</sub> alkenyl, C<sub>(2-10)</sub> alkynyl, C<sub>(1-10)</sub> alkoxy, C<sub>(1-10)</sub> oxoalkyl, C<sub>(1-10)</sub> carboxyalkyl, C<sub>(1-10)</sub> hydroxyalkyl, or substituted C<sub>(1-2)</sub> alkyl group;

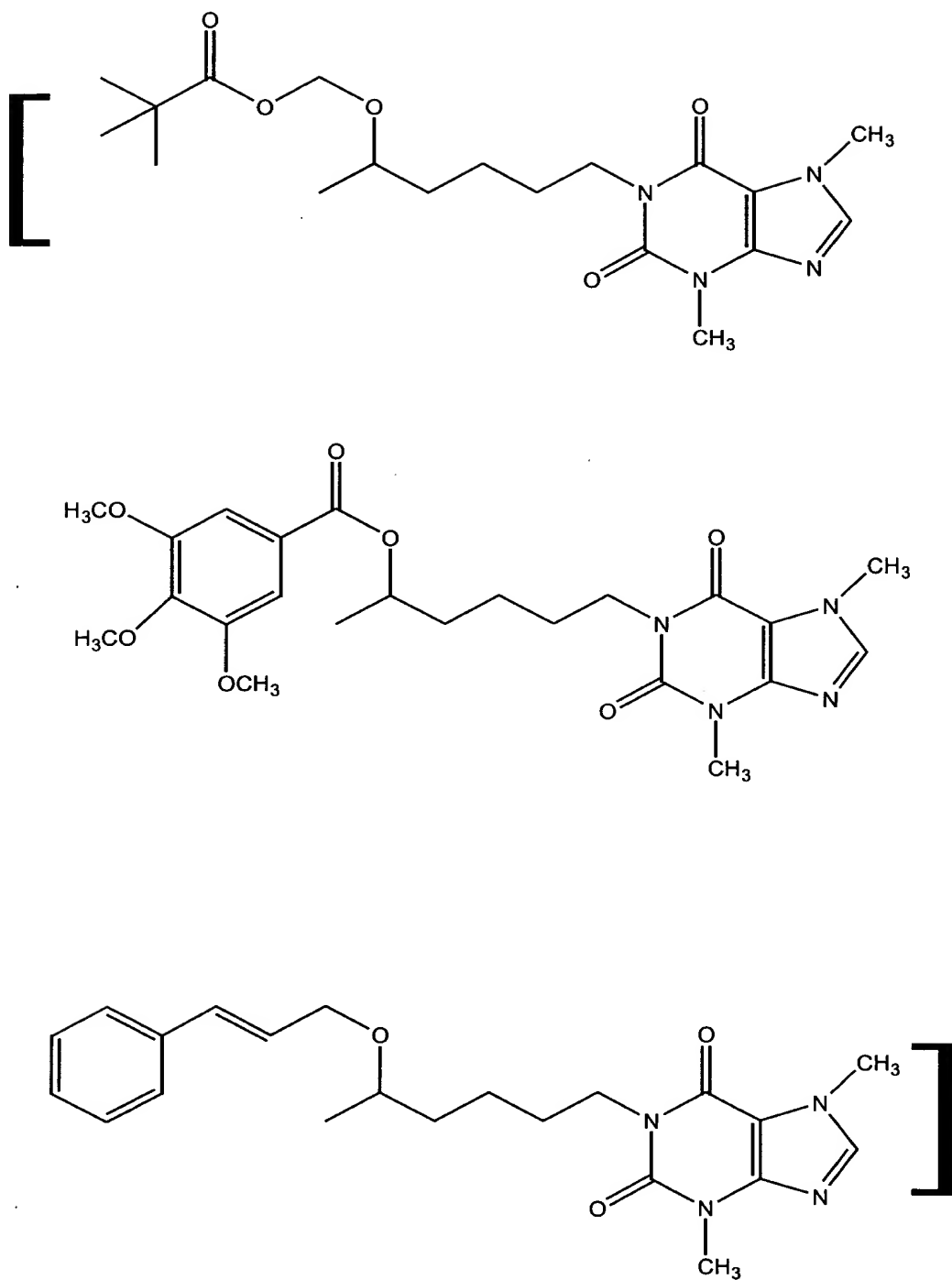
-OR<sub>6</sub>, R<sub>6</sub> being a substituted or unsubstituted C<sub>(1-10)</sub> alkyl, C<sub>(2-10)</sub> alkenyl, C<sub>(2-10)</sub> alkynyl, or C<sub>(1-10)</sub> oxoalkyl;

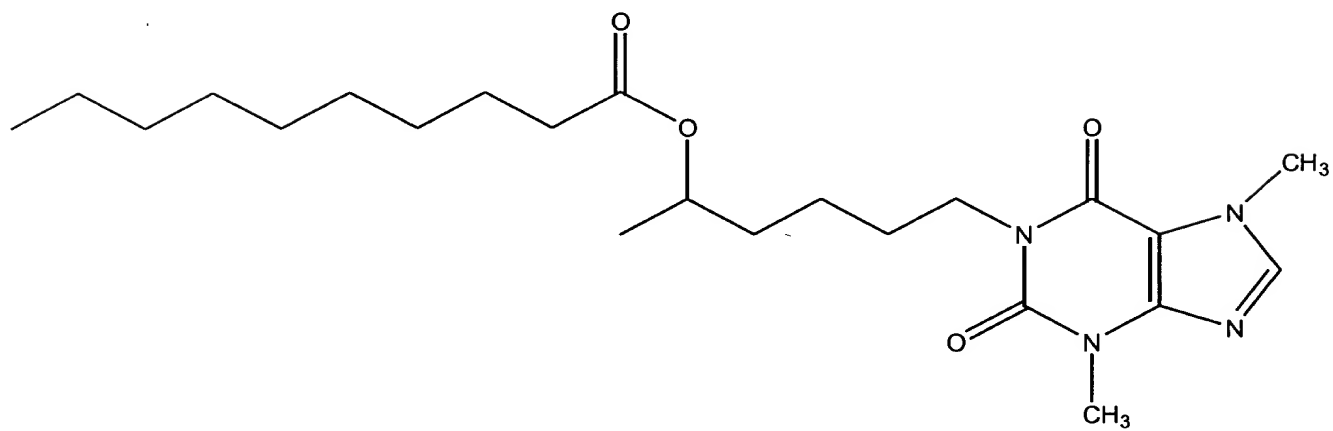
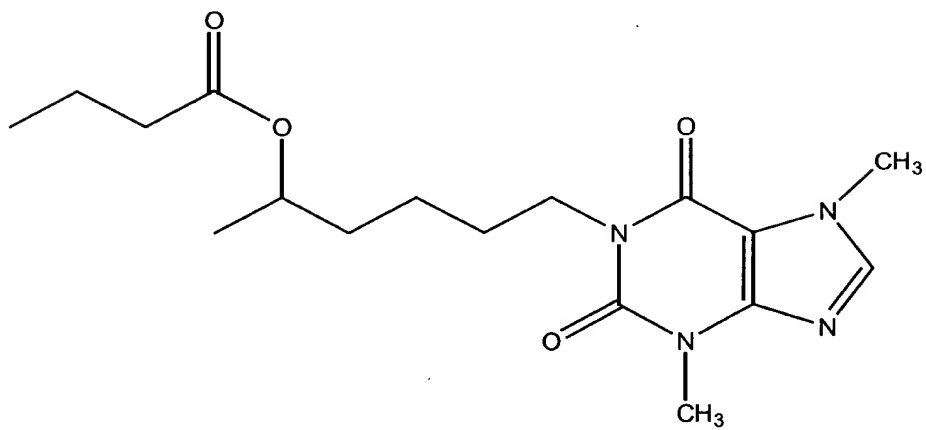
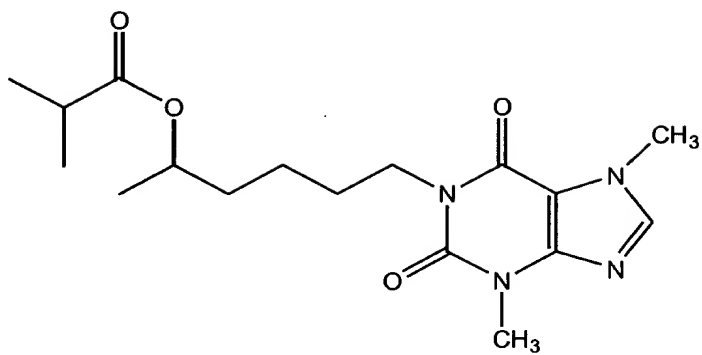
substituted or unsubstituted heterocyclic group, attached to X through an atom within the ring, having one or two rings, each ring containing from four to seven atoms, wherein the heteroatom(s) of said heterocyclic group is 1 or 2 nitrogens; and

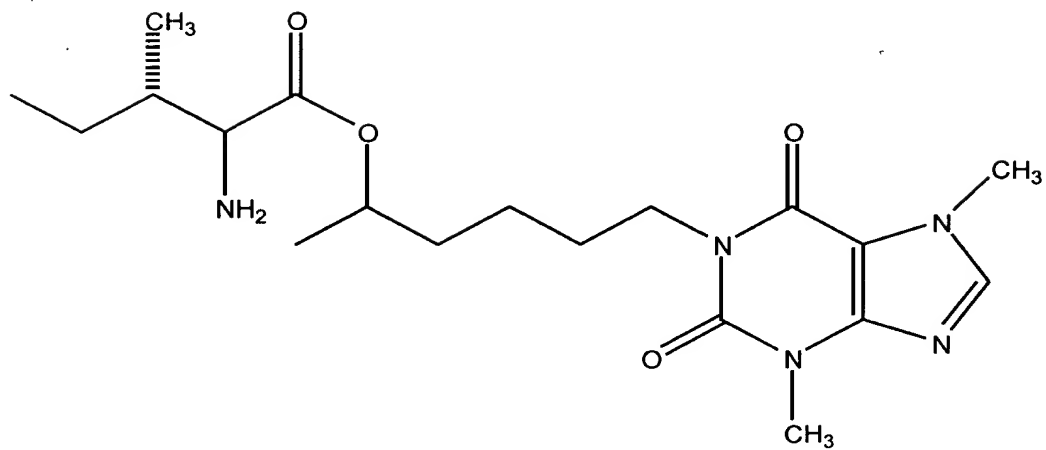
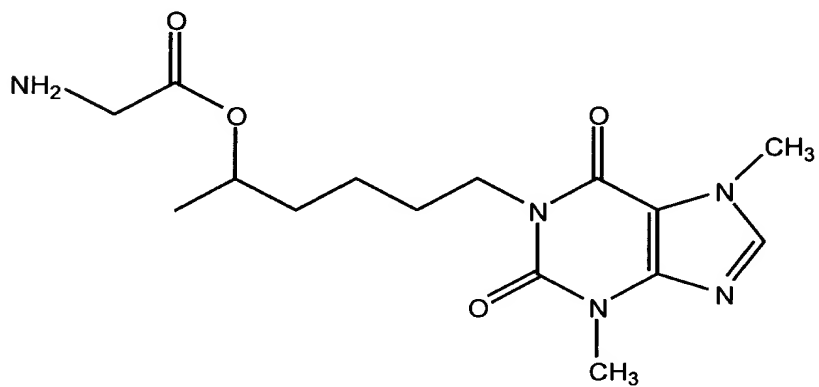
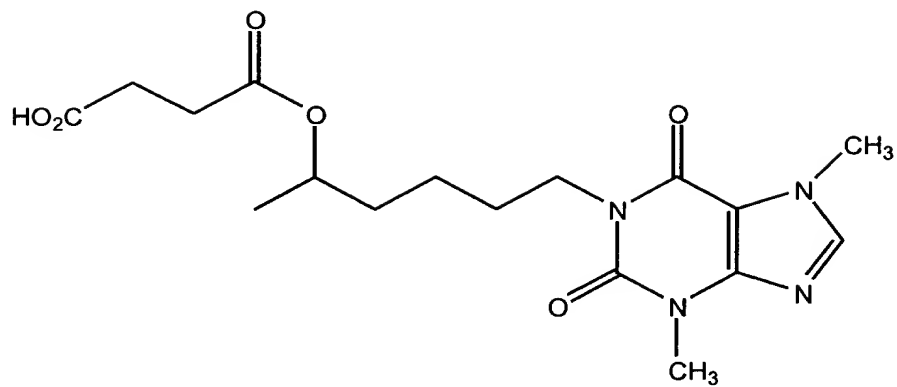
substituted or unsubstituted carbocyclic group that is attached to X through a carbon atom within a ring, having one or two rings, each ring containing four to seven atoms, wherein the substituents of said substituted carbocyclic group are selected from the group consisting of amino, C<sub>(2-6)</sub> alkenyl, C<sub>(1-6)</sub> alkyl, C<sub>(1-6)</sub> alkoxy, C<sub>(1-6)</sub> hydroxyalkyl, hydroxyl, C<sub>(1-6)</sub> oxoalkyl, azido, **[carboxy]** cyano, C<sub>(2-6)</sub> mono- or di-haloalkyl, isocyano, isothiocyano, imino, a chlorine atom, a bromine atom, a fluorine atom and an oxygen atom.

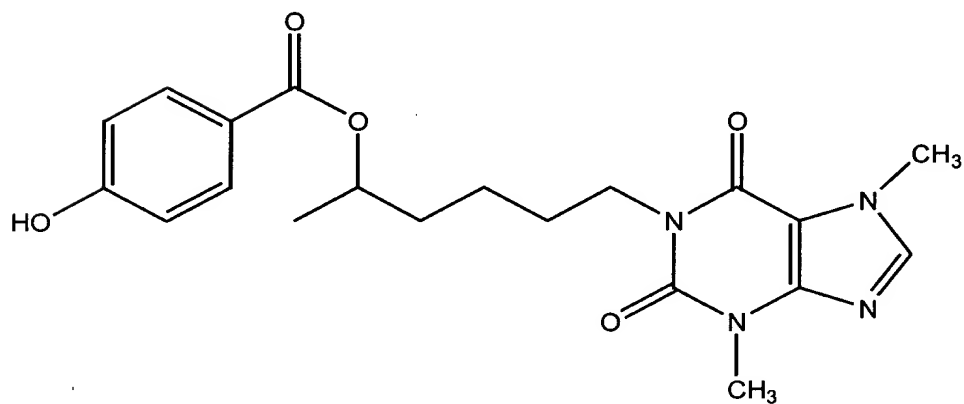
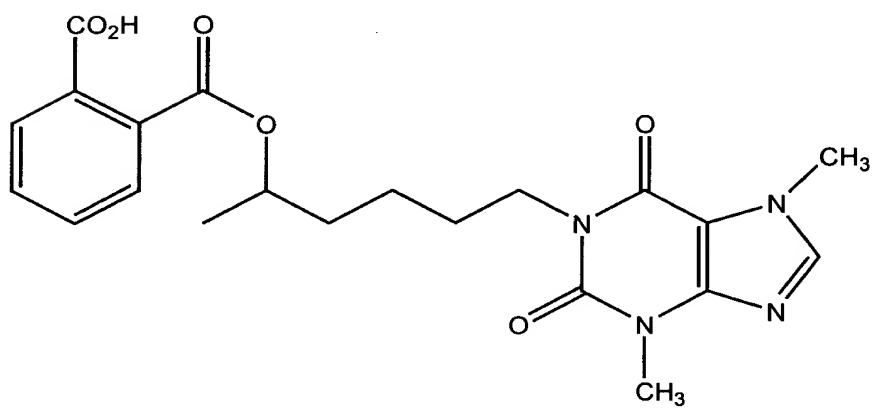
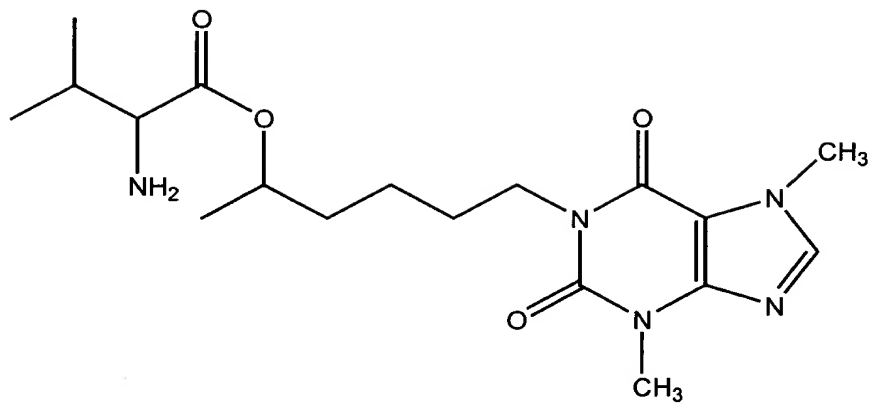
14. (Three Times Amended) The compound of claim 1, wherein said compound is selected from:

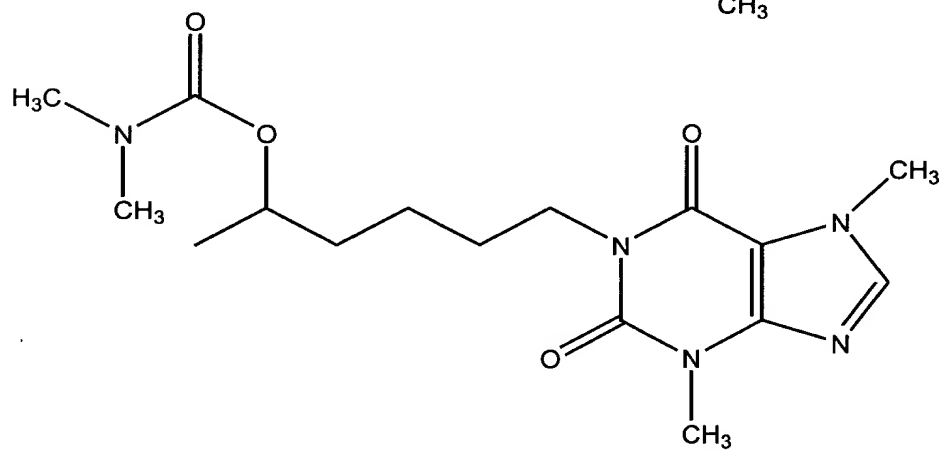
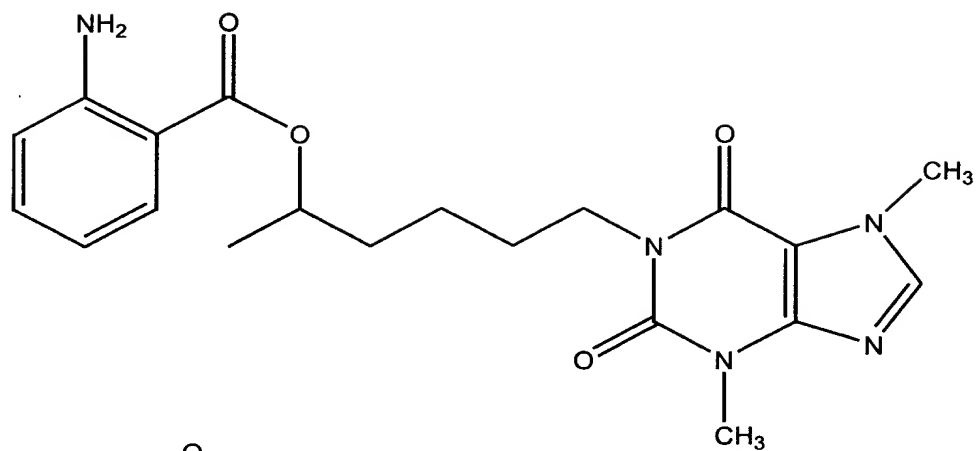




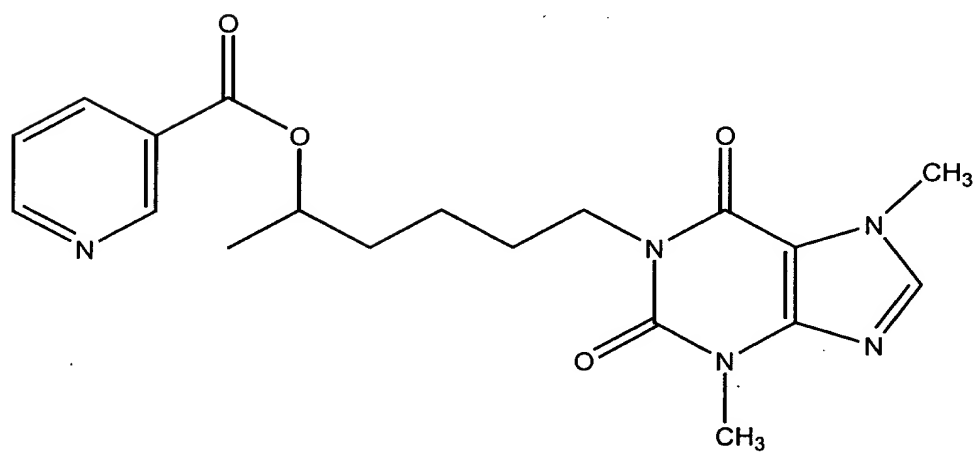






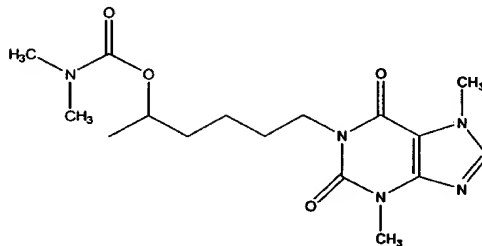


and

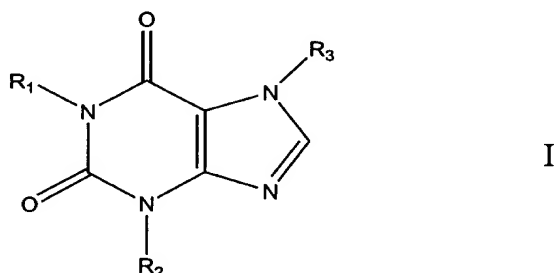




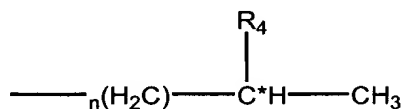
15. (Five Times Amended) A pharmaceutical composition comprising a pharmaceutically acceptable excipient or carrier and a compound having the following structure:



or a structure according to formula I:



wherein  $R_1$  has the formula II:



$R_2$  and  $R_3$  are independently  $C_{(1-12)}$  alkyl, optionally,  $R_2$  having one or two nonadjacent carbon atoms of the  $C_{(1-12)}$  alkyl being replaced by an oxygen atom; and wherein:

$C^*$  is a chiral carbon atom;

$n$  is four;

$R_4$  is a naturally occurring amino acid or a carbohydrate-moiety attached by an oxygen atom to the chiral carbon atom  $C^*$  by an ester linkage,  $[-O-X-(R_5)H \text{ or } -O-X-(R_5)_m]$ ; [ $m$  being two or three and]  $X$  being selected from the group consisting of C, P or S;  $m$  being two or three, depending on valence, and  $X$  being selected from the group consisting of C, P or S; wherein one  $R_5$  is =O and any other  $R_5$  is a member independently selected from Group Q,

said carbohydrate moiety is selected from the group consisting of glucosyl, glucosidyl, maltosyl, glucopyranosidyl, glyceraldehydyl, erythrosyl, arabinosyl,

ribolucosyl, fructosyl, erythritolyl, xylosyl, lyxosyl, allosyl, altrosyl, mannosyl, mannosidyl, gulosyl, idosyl, galactosyl and talosyl, and

Group Q consists of:

hydroxyl group;

[=O;]

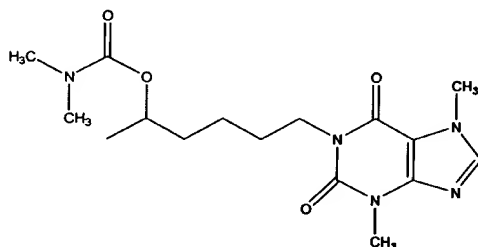
substituted or unsubstituted  $C_{(3-10)}$  alkyl,  $C_{(2-10)}$  alkenyl,  $C_{(2-10)}$  alkynyl,  $C_{(1-10)}$  alkoxy,  $C_{(1-10)}$  oxoalkyl,  $C_{(1-10)}$  carboxyalkyl,  $C_{(1-10)}$  hydroxyalkyl, or substituted  $C_{(1-2)}$  alkyl group;

-OR<sub>6</sub>, R<sub>6</sub> being a substituted or unsubstituted  $C_{(1-10)}$  alkyl,  $C_{(2-10)}$  alkenyl,  $C_{(2-10)}$  alkynyl, or  $C_{(1-10)}$  oxoalkyl;

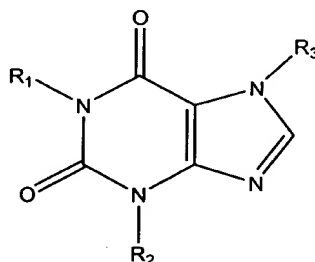
substituted or unsubstituted heterocyclic group, attached to X through an atom within the ring, having one or two rings, each ring containing from four to seven atoms, wherein the heteroatom(s) of said heterocyclic group is 1 or 2 nitrogens; and

substituted or unsubstituted carbocyclic group that is attached to X through a carbon atom within a ring, having one or two rings, each ring containing four to seven atoms, wherein the substituents of said substituted carbocyclic group are selected from the group consisting of amino,  $C_{(2-6)}$  alkenyl,  $C_{(1-6)}$  alkyl,  $C_{(1-6)}$  alkoxy,  $C_{(1-6)}$  hydroxyalkyl, hydroxyl,  $C_{(1-6)}$  oxoalkyl, azido, [carboxy,] cyano,  $C_{(2-6)}$  mono- or di-haloalkyl, isocyano, isothiocyano, imino, a chlorine atom, a bromine atom, a fluorine atom and an oxygen atom.

20. (Four Times Amended) A compound having the following structure:

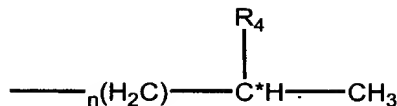


or a structure according to formula I:



I

wherein  $R_1$  or  $R_2$  has the formula II:



$R_1$  or  $R_2$ , which is other than formula II, and  $R_3$  are independently  $C_{(1-12)}$  alkyl, optionally,  $R_2$  having one or two nonadjacent carbon atoms of the  $C_{(1-12)}$  alkyl being replaced by an oxygen atom; and wherein:

$C^*$  is a chiral carbon atom;

$n$  is four;

$R_4$  is a naturally occurring amino acid or a carbohydrate-moiety attached by an oxygen atom to the chiral carbon atom  $C^*$  by an ester linkage,  $[-O-X-(R_5)H \text{ or } -O-X-(R_5)_m]$ ;  $m$  being two or three, **depending on valence**, and  $X$  being selected from the group consisting of C, P or S; wherein **one  $R_5$  is =O and any other  $R_5$  is a member independently selected from Group Q,**

**said carbohydrate moiety is selected from the group consisting of glucosyl, glucosidyl, maltosyl, glucopyranosidyl, glyceraldehydyl, erythrosyl, arabinosyl, ribulucosyl, fructosyl, erythritolyl, xylosyl, lyxosyl, allosyl, altrosyl, mannosyl, mannosidyl, gulosyl, idosyl, galactosyl and talosyl, and**

Group Q consists of:

hydroxyl group;

$[=O];$

substituted or unsubstituted  $C_{(3-10)}$  alkyl,  $C_{(2-10)}$  alkenyl,  $C_{(2-10)}$  alkynyl,  $C_{(1-10)}$  alkoxy,  $C_{(1-10)}$  oxoalkyl,  $C_{(1-10)}$  carboxyalkyl,  $C_{(1-10)}$  hydroxyalkyl, or substituted  $C_{(1-2)}$  alkyl group;

$-OR_6$ ,  $R_6$  being a substituted or unsubstituted  $C_{(1-10)}$  alkyl,  $C_{(2-10)}$  alkenyl,  $C_{(2-10)}$  alkynyl, or  $C_{(1-10)}$  oxoalkyl;

substituted or unsubstituted heterocyclic group, attached to  $X$  through an atom within the ring, having one or two rings, each ring containing from four to seven atoms, wherein the heteroatom(s) of said heterocyclic group is 1 or 2 nitrogens; and

substituted or unsubstituted carbocyclic group that is attached to  $X$  through a carbon atom within a ring, having one or two rings, each ring containing four to seven atoms, wherein

the substituents of said substituted carbocyclic group are selected from the group consisting of amino, C<sub>(2-6)</sub> alkenyl, C<sub>(1-6)</sub> alkyl, C<sub>(1-6)</sub> alkoxyl, C<sub>(1-6)</sub> hydroxyalkyl, hydroxyl, C<sub>(1-6)</sub> oxoalkyl, azido, [carboxy,] cyano, C<sub>(2-6)</sub> mono- or di-haloalkyl, isocyano, isothiocyano, imino, a chlorine atom, a bromine atom, a fluorine atom and an oxygen atom.

21. (Twice Amended) A compound according to claim 1, wherein R<sub>2</sub> and R<sub>3</sub> are methyl, and wherein R<sub>6</sub> is a

substituted or unsubstituted C<sub>(1-10)</sub> alkyl, C<sub>(2-10)</sub> alkenyl, C<sub>(2-10)</sub> alkynyl, or C<sub>(1-10)</sub> oxoalkyl; substituted or unsubstituted heterocyclic group, attached to X through an atom within the ring, having one or two rings, each ring containing from four to seven atoms, and a single nitrogen as the heteroatom; or

substituted or unsubstituted carbocyclic group that is attached to X through a carbon atom within a ring, having one ring containing four to seven atoms, wherein the substituents of said substituted carbocyclic group are selected from the group consisting of amino, C<sub>(2-6)</sub> alkenyl, C<sub>(1-6)</sub> alkyl, C<sub>(1-6)</sub> alkoxyl, C<sub>(1-6)</sub> hydroxyalkyl, hydroxyl, C<sub>(1-6)</sub> oxoalkyl, azido, [carboxy,] cyano, C<sub>(2-6)</sub> mono- or di-haloalkyl, isocyano, isothiocyano, imino, a chlorine atom, a bromine atom, a fluorine atom and an oxygen atom.

23. (Amended) A compound according to claim 1, wherein R<sub>3</sub> is methyl [and R<sub>4</sub> is -O-X-(R<sub>5</sub>)<sub>m</sub>].

25. (Amended) A compound according to claim 24, wherein X is S [and m is 2].

26. (Twice Amended) A compound according to claim 25, wherein [R<sub>5</sub> is a member] **members of Group Q are** independently selected from the group consisting of an hydroxyl group; =O; substituted or unsubstituted C<sub>(3-10)</sub> alkyl, C<sub>(2-10)</sub> alkenyl, C<sub>(2-10)</sub> alkynyl, C<sub>(1-10)</sub> alkoxyl, C<sub>(1-10)</sub> oxoalkyl, C<sub>(1-10)</sub> carboxyalkyl, C<sub>(1-10)</sub> hydroxyalkyl; and a substituted C<sub>(1-2)</sub> alkyl group.

27. (Twice Amended) A compound according to claim 26, wherein **the other** R<sub>5</sub> is OH [or =O].